Simple Ground Equipment

& Services

The Arrestor System
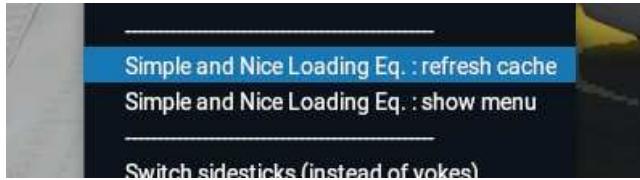
Plugin v43 and above.

Manual updated with version 52

Using the Simple Ground Equipment & Services Arrestor System

Please generate the plugin airport cache if you just installed our plugin otherwise the arrestor won't see the simulators runways. *Go to Plugin → FlyWithLua → Macros → SGES : refresh cache*

"Arrestor" : lists up to height available runways in the close vicinity of your aircraft

"28R" : click on a detected runway to equip it with an arrestor system made of a **net barrier**
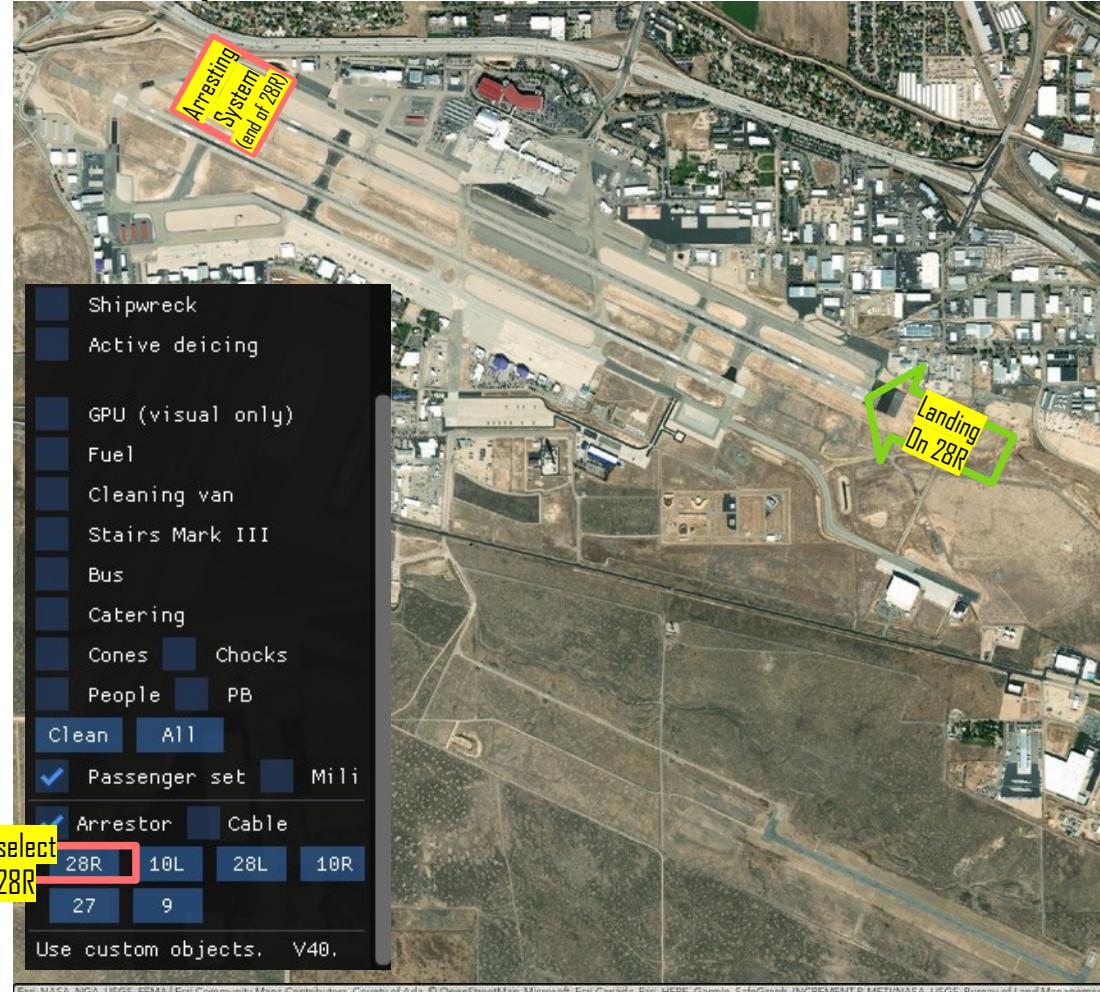
"Cable" : after having selected a runway, you can change the net barrier for an **arrestor cable**

"EMAS" : **Engineered materials arrestor system** are high-energy-absorbing materials in the overrun of the runway. This is the default selection.

"Net" : this is a traditional net barrier at the end of the runway.

The **Engineered materials**, the **net barrier** and the **arresting cable** are actively trapping aircraft in X-Plane 11 when conditions are met.

Picture below by ESRI.
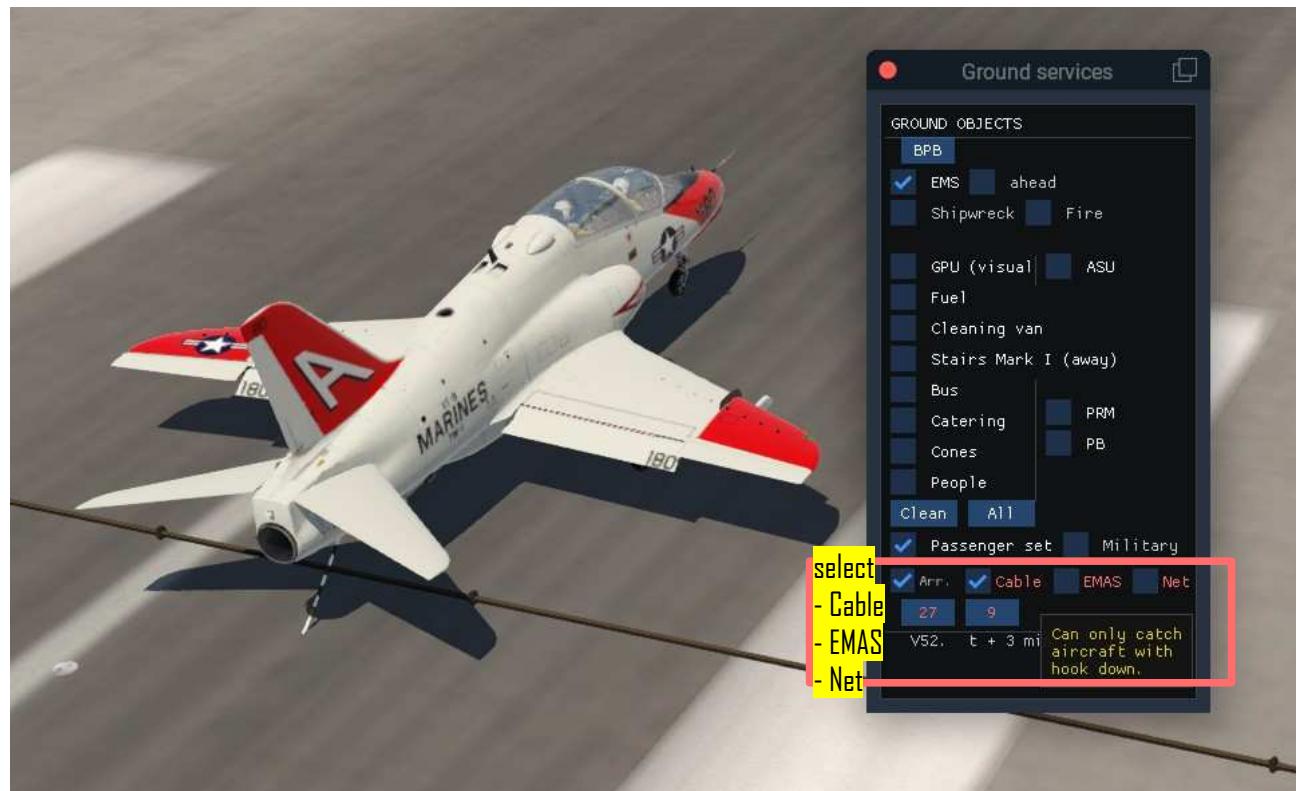
If you land on runway 28R, select "28R" in the list.
This will put the arresting system at the end of the runway 28R, near the opposite runway end.

Since version 52 of the plugin, the menu offers a better awareness of the selected system.

- Click on "Arrestor" to open the arresting system options.

- Then select the runway.

- Then select the system type. Default is EMAS.

The Engineered materials arrestor system (EMAS)

- When a runway is selected in the menu, EMAS is also initially selected, unless the user unticked "E" at some point to fall back to a classical net barrier.
- The EMAS is located at the runway overrun.
- The EMAS will capture any aircraft type.
- The user will not be able to move the aircraft after engaging the stopping system.

The net barrier

- When a runway is selected and no cable, nor EMAS is selected, it is then equipped with a net barrier.
- The barrier is located at the runway end.
- The barrier will capture any aircraft type when the net is deployed.
- The barrier is compatible with all runway-ends.

The arrestor cable

Tick the box "Cable" to change the net for an arrestor cable.
The cable is located in the first third of the runway.

- The cable can only stop terrestrial or naval aircraft equipped with a hook. For instance the F-15 can be arrested, but not the AV8B.
- You must deploy the aircraft hook to capture the cable.

This F-15 hook is about to catch the wire at Boise International. The hook must be down.

The arrestor location is announced by the black and yellow circle runway edge sign :

Barrier deployment

The barrier is deployed when the aircraft is above 20 knots of ground speed.